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MINUTES FROM RESTORATION ADVISORY BOARD MEETING DATED 10 JULY 2001 CNC  
CHARLESTON SC  
7/10/2001  
RESTORATION ADVISORY BOARD

Minutes of the  
NAVAL BASE CHARLESTON  
RESTORATION ADVISORY BOARD MEETING  
Tuesday, July 10, 2001  
Felix C. Davis Community Center, North Charleston

RAB Members Attending

Tony HuntNavy Co-Chair  
Don HarbertCommunity Co-Chair  
Wannetta MalletteCommunity Member  
Lou MintzCommunity Member  
Arthur PinckneyCommunity Member  
David ScaturoSC DHEC  
Dann SpariosuUS Environmental Protection Agency

Guests Attending

Jim AugustinCommunity  
Paul BergstrandSC DHEC  
Joe BowersSC DHEC  
Jamelle EllisSC DHEC  
Stacey FrenchSC DHEC  
Rob HarrellSouthern Division  
Gary FosterCH2M-Jones  
Kris GarciaCH2M-Jones  
Mike KarafaCH2M-Jones  
Dean WilliamsonCH2M-Jones  
Suzanne ZodaEnviroComm  
Keith JohnsEnSafe Inc.

Welcome and Administrative Remarks

Don Harbert began the meeting at 5:30 p.m. and introductions were made. There were no comments on the May 2001 minutes.

Subcommittee Reports

The community relations subcommittee met earlier in the day. The only work that remains on the Community Relations Plan is to update the mailing list. If the RAB members have any comments, please see Suzanne Zoda after the meeting.

The subcommittee agreed that a new fact sheet was in order. Part of the information for this fact sheet is to be based on community and municipal leaders' opinions. This includes a summary of, and opinions on the progress to date.

RAB Workshop Report

Dann Spariosu and Don Harbert went to Denver on a Navy RAB training workshop in May. Because of a conflict, Mr. Spariosu went in Mr. Hunt's place. Mr. Spariosu and Mr. Harbert

were able to meet RAB members from all over the country and exchange ideas. Mr. Spariosu made a list of activities that other RABs are using in their meetings and presented the list to the audience. Mr. Spariosu also placed documents from the workshop technical sessions at the Charleston RAB library.

Mr. Harbert reported there were about 700 people in attendance at the Denver RAB Training Workshop. He noted that, while other communities have citizens signing petitions and exchanging cross words, his opinion was that Captain Augustin and the Navy have created an environment in Charleston that's not hostile between the community and the Navy. Mr. Harbert commented that Mr. Hunt and the contractors have done a good job of communicating to the community on the cleanup process. Mr. Harbert congratulated anyone who has worked as part of the process of getting the Navy base closed and converted.

Mr. Harbert said that most of the citizens were up in arms about lack of communication. He mentioned communities not knowing what's going on and information winding up in the newspaper and television where the military was perhaps not being as forthcoming as they should have been. Mr. Spariosu said this was due to mistrust of the Navy and general bad feelings. He noted that he was once on a RAB where the community members had hidden agendas that had nothing to do with the cleanup.

#### Environmental Cleanup Progress Report

Dean Williamson (CH2M-Jones) presented an overall update on the status of cleanup activities and upcoming events for July, August and September.

CH2M-Jones has about 20 documents - Interim Measure work plans and Corrective Measure Study reports - that will be completed soon.

*Zone A* - Work on the RCRA (Resource Conservation and Recovery Act) sites is about 80 percent complete:

- SWMU 38 - need to examine the extent of contamination;
- SWMU 39 - work is underway using hydrogen release compounds and monitoring;
- SWMU 1 and 2 - some areas need a closer look, but there's a recommendation in to DHEC that the work is complete;
- SWMU 42 and Area of Concern 505 (AOC 505) need a little work to clean up arsenic and pH in soil, to be implemented in August.

*Zone B* - Work in this zone is largely complete.

*Zone D* - Work in this zone is largely complete.

*Zone C* - RCRA work is 90 percent complete.

- SWMUs 516, 518 and 700 - Interim measures are complete;
- SWMU 44 - CH2M-Jones' cleanup approach has been approved by DHEC and Cleanup Team. Interim measures will begin this summer.

*Zone E*

CH2M-Jones is accelerating work on Drydocks 3 and 4;

Several reports are in progress for sites requiring no further action;  
SWMU 25 - Investigation of chromium in groundwater complete. In-situ reduction is scheduled to begin in October.

*Zone F* - RCRA work is about 30 percent complete.

The RFI work plan addendum has been approved by DHEC. Sampling was done to complete the investigation activities. Sending out a interim measure draft report on six-phase heating to DHEC. Scheduled to begin this work in October.

*Zone G* - RCRA work is about 20 percent complete.

Beginning final RFI sampling at some sites and submitted RFI addendums for other sites. Chicora tank farm has received a Finding Of Suitability to Transfer, but they are still looking at one of the wells for contamination. Chicora has not been transferred to the school board yet.

*Zone H* - 60 percent complete.

RFI is 95 percent completed. Work is expected to be accelerated.  
SWMUs 14 and 17 - CH2M-Jones has submitted an interim measure work plan.  
SWMU 9, DHEC is reviewing The Corrective Measures Study work plan. The Corrective Measures Study hopefully will begin in July.  
SWMU 196 - They expect work to begin in September.

*Zone I* - RCRA work is about 90 percent complete.

*Zone K* - RCRA work is about 75 percent complete.

SWMU 166 - The source investigation is complete.

*Zone J* is being addressed by EnSafe.

Gary Foster (CH2M-Jones) presented a report on underground storage tank (UST) sites. Mr. Foster reported:

- 34 sites have been closed;
- 37 sites have corrective action plans submitted;
- 31 corrective action plans are approved; of these 31 sites,
- 8 sites require soil removal;
- 23 sites require ground water monitoring and by the end of this year will hopefully receive No Further Action (NFA) status;
- 6 sites are using alternative actions for treatment, such as oxygen release compounds,;
- 7 sites need to be submitted for corrective action.

Mr. Foster mentioned some of the activities scheduled between July and September:

Pilot testing at SWMU 39. The ground water moves slowly in that area and needs continuous monitoring.

SWMUs 42 and 44, and AOC 505 will have soil excavation completed by the end of the summer.

SWMUs 17 and 14. Should have soil excavation completed by the end of the summer.

CH2M-Jones has completed the investigative work at SWMUs 166, 196, 25/70 and AOC 607. They have gone back to verify the inspection and repairs of all the monitoring wells.

On the property transfer Phase 2, documents were submitted to DHEC on March 6th. CH2M-Jones received comments from the agency on June 4th. CH2M-Jones sent their response on June 29th. The goal is to finalize the documents by July 20th. Phase 2 encompasses selected areas in Zones A, C, G and I. This is estimated to be about 400 acres of property.

Mr. Foster noted that Building 225 (Step-Ahead program) has been vacated except for the office workers and the daycare. CH2M-Jones is on schedule to implement cleanup in October. The remainder of the personnel are to move out before the cleanup.

Mr. Foster reported that recent subcontractor awards have gone to Thermal Remediation System, ReGenesis Bioremediation, MicroSeeps, Geo-Cleanse International, and Earth Science. Local contract awards have gone to Environmental Management Services, GEL, SCRA, Butler, Waste Management and Columbia Technology.

#### Community Relations Plan Status

Suzanne Zoda (EnviroComm) presented revised drafts of the Community Relations Plan to everyone. The revision was done to comply with requirements for public disclosure and to make sure that questions or issues are addressed in this process. On June 15th, the draft revision of the Community Relations Plan was sent to all RAB members for comments. The plan will be finalized by the end of July.

The basis for most of the changes in the Community Relations Plan was RAB members' input on issues or questions and how they can be addressed. Pages 5 through 11 include an update on the cleanup process, a summary of the status of the sites and information from the Redevelopment Authority on the number of buildings transferred and number of people employed. This summary information will be in the new fact sheet that is being developed.

The growth in the Charleston area has been stupendous in the last ten years based on information from the Chamber of Commerce. Last year, 14,000 new jobs were created. The population in North Charleston has grown 13 percent.

One of the purposes of the Community Relations Plan was to look at the past five years and see how issues have been addressed. The RAB has been proactive in getting out into the community and doing outreach and making sure the meetings are accessible. The RAB meetings with the most attendance centered around the Chicora tank farm. Ms. Zoda noted that the proposed

cleanup approach was changed radically because of public input. Generally, she noted that it appears community attendance is low because the community thinks the RAB is doing a good job.

Ms. Zoda said that the RAB needs to make sure that any issues that come up are addressed, that the public has access and is invited to participate, and the RAB meets all the government requirements. Section 6 of the Community Relations Plan has a list of proposed activities and accomplishments.

RAB members had no additional comments or additions for the Community Relations Plan. One member commented that the document was well prepared and deserved praise.

#### Questions/Answers

A question arose about redevelopment. Lou Mintz volunteered to be the Redevelopment Authority (RDA) liaison for the RAB. Mr. Mintz reported that the RDA is moving a movie production company onto the base temporarily. The RDA is negotiating a lease for the ballpark for the blind handicap baseball league. The new ballpark is being built without posts or fences, so it can be used much easier by this league.

Mr. Foster showed a map of the areas where property has been transferred. He pointed out where some areas were carved out of the transfer parcels so that the rest of the property could be transferred without further delay.

In response to a question about the technology being used to sample, Mr. Williamson presented a slide showing the schematics of a membrane interface probe. It is a hollow rod with various fittings on the tip. That rod is machine-driven into the ground, into the "saturated" zone where water can be found. A tube in the rod has a special membrane that gets heated to about 100 degrees. The membrane comes in contact with groundwater, and the heat causes the volatile organic chemicals in the groundwater to become active. The chemicals, but not the water, diffuse through this special membrane. At the land surface, the probe is connected to a gas chromatograph or some type of detector that reads the values. Mr. Williamson noted that the analysis does not show the actual concentration, but reads whether the concentration is low, medium or high. Using that information, they can then collect groundwater samples as needed.

Mr. Williamson told the board that they are welcome to come out to the sites and observe this process. One hundred fifteen MIP points have been installed in SWMU 166.

#### Agenda for Next Meeting

Mr. Hunt suggested a discussion of the Hess investigation. There were no other suggestions. The next meeting will be at the previous meeting location: Olde City Hall, 1077 East Montague Avenue on September 11, 2001.

Meeting adjourned.

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Tony HuntDon Harbert  
Navy Co-ChairCommunity Co-Chair